

PATENT
Attorney Docket No. MIT-103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Kawasaki et al.

SERIAL NO.: Not yet assigned GROUP NO.: Not yet assigned

FILING DATE: October 22, 1999 EXAMINER: Not yet assigned

TITLE: Genes Integrating Signal Transduction Pathways

Box SEQUENCE

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

**SUBMISSION OF PAPER COPY AND/OR COMPUTER READABLE COPY
OF SEQUENCE LISTING FOR INVENTION
CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE**

(check and complete this item, if applicable)

1. This replies to the Patent Office Letter dated _____

Note: If these papers are filed before the office letter issues adequate identification of the original papers should be made, e.g., in addition to the name of the inventor and title of invention, the filing date based on the "Express Mail" procedure, the serial number from the return post card or the attorney's docket number added.

A copy of the Patent Office Letter is enclosed.

2. Submitted herewith is/are

(check each item as applicable)

A. a paper copy of the Sequence Listing for this application with each sequence assigned a separate identifier.

B. a copy, in computer readable form, of the Sequence Listing for this application.

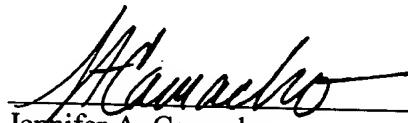
STATEMENT

3. I hereby state that:

(complete applicable items A, B and/or C)

- A. the content of the paper and computer readable copies submitted herewith are the same.
- B. the content of the computer readable copy submitted herewith is the same as the Sequence Listing appearing on pages 60 to 108 of the original specification as filed on even date herewith.
- C. this submission includes no new matter.

Respectfully submitted,



Jennifer A. Camacho
Attorney for Applicant(s)
Testa, Hurwitz, & Thibeault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110

Date: 10/22/99
Reg. No. 43,526

Tel. No.: (617) 248-7476
Fax No.: (617) 248-7100

479JAC5473/111.A877137-1